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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/516,176	03/01/2000	Takayoshi Sasaki	PM 266297	3428
7590 05/17/2005			EXAMINER	
PAUL E. WHITE, JR.			LE, HOA T	
MANELLI DE	NISON & SELTER, PLLO			
2000 M STREET, N.W.			ART UNIT	PAPER NUMBER
SEVENTH FLOOR			1773	
WASHINGTON, DC 20036-3307			DATE MAILED: 05/17/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

· ·		Application No.	Applicant(s)	·			
Office Action Summary			• '				
		09/516,176	SASAKI ET AL				
		Examiner	Art Unit				
	The MAN WO DATE of this accommission	H. T. Le	1773				
Period f	The MAILING DATE of this communication for Reply	n appears on the cover sheet w	nun une correspondence address				
THE - Extrafte - If th - If N - Fail	HORTENED STATUTORY PERIOD FOR R MAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 Cler SIX (6) MONTHS from the mailing date of this communication the period for reply specified above is less than thirty (30) days, to period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by any reply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b)	ON. FR 1.136(a). In no event, however, may a in.: a reply within the statutory minimum of thi eriod will apply and will expire SIX (6) MOI statute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	on.			
Status	•	•					
1)□	Responsive to communication(s) filed on		•				
		This action is non-final.					
,	Since this application is in condition for all		ters, prosecution as to the merits i	is			
	closed in accordance with the practice und	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	tion of Claims						
5) 6) 7)	Claim(s) 1-22 is/are pending in the applicated 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-22 are subject to restriction and	ndrawn from consideration.					
Applicat	tion Papers						
	The specification is objected to by the Example The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co	accepted or b) objected to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	(d)			
11)	The oath or declaration is objected to by the	•	•	,-,.			
Priority	under 35 U.S.C. § 119						
12)□ a)	Acknowledgment is made of a claim for for DI All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the application from the International Bustee the attached detailed Office action for a series.	nents have been received. nents have been received in A priority documents have been ureau (PCT Rule 17.2(a)).	Application No received in this National Stage				
	,						
Attachmer	nt(s)		•				
	ce of References Cited (PTO-892)		Summary (PTO-413)				
3) 🔲 Infor	ce of Draftsperson's Patent Drawing Review (PTO-948 mation Disclosure Statement(s) (PTO-1449 or PTO/SI er No(s)/Mail Date		s)/Mail Date nformal Patent Application (PTO-152) 				

Application/Control Number: 09/516,176

Art Unit: 1773

Election/Restrictions

Page 2

1. Upon reconsideration, restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-4, 9, and 17-22, drawn to hollow and flaky titanium dioxide particles and method of making thereof.

Group II, claim(s) 5-8 and 10, drawn to exfoliated titania sol and method of making thereof.

Group III, claim(s) 11-13, drawn to alkali metal titanate and method of making thereof.

Group IV, claim(s) 14 and 15, drawn to layered titanic acid compound.

- 2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the hollow and flaky titanium dioxide particles of group I invention are structurally and compositionally different from the exfoliated titania sol of group II invention. Therefore, the methods of making them require separate and different special technical features as recited in these claims.
- 3. The inventions listed as Groups I and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the hollow and flaky titanium dioxide particles of group I invention are structurally and chemically different from the alkali metal titanate of group III invention. Therefore, the methods of making them require separate and different special technical features as recited in these claims.
- 4. The inventions listed as Groups I and IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the hollow and flaky titanium dioxide particles of group I invention are structurally and chemically different from the layered titanic acid compound of group IV invention.

Application/Control Number: 09/516,176 Page 3

Art Unit: 1773

5. The inventions listed as Groups II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the exfoliated titania sol of group II invention are structurally and chemically different from the alkali metal titanate of group III invention. Therefore, the methods of making them require separate and different special technical features as recited in these claims.

- 6. The inventions listed as Groups II and IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the hollow and flaky exfoliated titania sol of group II invention are structurally and chemically different from the layered titanic acid compound of group IV invention.
- 7. The inventions listed as Groups III and IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: alkali metal titanate of group III invention are structurally and chemically different from the layered titanic acid compound of group IV invention.
- 8. Applicants previously argued that "the International Preliminary Examining Authority did not find a lack of unity." Applicants' argument seems to imply that the US patent office cannot find a lack of unity if the IPEA has not found one. This is not the case. Although the IPEA may not find a lack of unity in the PCT application, a restriction requirement can be imposed in the national stage as long as PCT rules regarding lack of unity are followed. When the IPEA has not found a lack of unity, it does not follow that the US patent office cannot impose a restriction requirement when a lack of unity according to PCT rules is applicable.
- 9. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Application/Control Number: 09/516,176

- 10. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to H. T. Le whose telephone number is 571-272-1511. The examiner can normally be reached on 10:00 a.m. to 6:30 p.m., Mondays to Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on 571-272-1284. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

H. T. Le

Primary Examiner Art Unit 1773